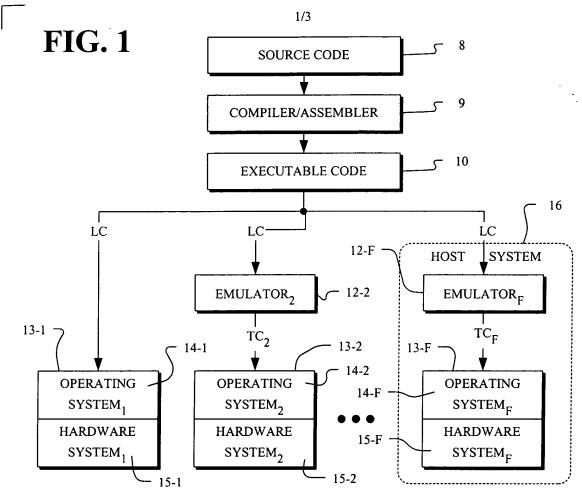
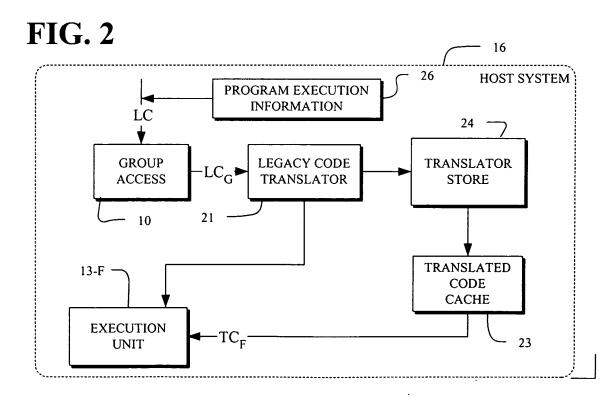
Atty: David E. Lovejoy Tel No: 415-362-3800

Atty Doc N: AMDH-08157US0 DEL

Inventor 1: Ronald Hilton

Title: STATE-SPECIFIC VARIANTS OF TRANSLATED CODE UNDER EMULATION





SC/Serial No. 09/992,120 Date Filed: November 14, 2001

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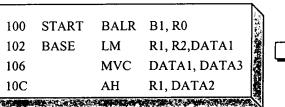
LEGACY CODE (CISC)

100	START	BALR	B1,R0
102	BASE	LM	R1,R2,DATA1
106		MVC	DATA1, DATA3
10C		AH	R1,DATA2
110		SRA	R1,1
114		SH	R2,DATA2
118		AR	R1,R2
11A		BC	TARGET
120	DATA1	DC	X'005390BC'
		DC	X'09C20004'
128	DATA2	DC	X'0009'
12A	DATA3	DC	X'800039AF'



 $_{R}^{-10}$





 $^{3}C^{-10}$

TRANSLATED CODE (RISC)

BALRMOV B1 BASE

LM ADD A1 B1,DATA1-BASE

LD4 R1 [A1]

ADD A1 A1,4

LD4 R2 [A1]

MVC ADD A1 B1,DATA1-BASE

ADD A2 B1,DATA3-BASE

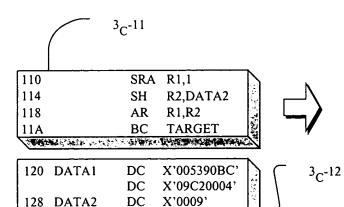
LD4 T1 [A2]

ST4 T1 [A1]

AH ADD A1 B1,DATA2 -BASE LD2 T1 [A1] ADD R1 R1,T1

B XFER_SEQUENTIAL

 $3_{R}-11$



DC

12A DATA3

#300 000 0

X'800039AF

SRA SHR RI I
SH ADD AI BI,DATA2 - BASE
LD2 TI [AI]
SUB R2 R2,TI
AR ADD RI RI,R2
BC ADD AI BI,TARGET - BASE
B XFER_BRANCH

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